GILA COUNTY HEALTH DEPARTMENT
Notice of Intent to Discharge
Under A General Aquifer Protection Permit
for an On-Site Wastewater Treatment Facility

Instructions: Please fill out and submit this Notice of Intent to Discharge (NOI) to obtain permission to construct and discharge from a new on-site wastewater treatment facility, including a **conventional septic tank and disposal field system.** This form also should be filled out for alternative on-site treatment and disposal technologies covered by Type 4 general aquifer protection permits. **All additional information submission requirements (listed on the following pages) need to be completed and submitted with this Notice of Intent to Discharge.**

1. **Constructing and Operating an On-site Wastewater Treatment Facility Under a Type 4 General Aquifer Protection Permit:** Arizona Administrative Code (AAC) R18-9-A301 prescribes the following process for a person to obtain permission to construct and operate an on-site wastewater treatment facility:
   a. Submit this NOI and appropriate supplemental information and forms;
   b. Remit applicable general permit fees;
   c. Satisfy any deficiency requests arising from the agency's pre-construction review of the submitted information;
   d. Receive a **Provisional Verification of General Permit Conformance** from the agency authorizing construction of the on-site wastewater treatment facility;
   e. Construct the facility within two years;
   f. Upon completion of construction, submit required information to the agency to initiate the agency's post-construction review and inspection;
   g. Satisfy any deficiency request arising from the agency's post-construction review of the facility;
   h. Receive an **Authorization to Discharge Under a General Permit** and discharge from the facility in accordance with terms of the general permit and applicable requirements of statute and rule.

2. Applicant (person responsible for overall compliance):

Name: _____

Address: _____

_____

_____

Telephone No. _____ Fax No. _____

3. Authorized Agent for Applicant, if any:

Name: _____

Address: _____

_____

_____

Telephone No. _____ Fax No. _____

4. Contact Person for Facility Operation **(if different from applicant):**

Name: _____

Position: _____

Address: _____

_____

_____

Telephone No. _____ Fax No. _____

5. Site Information: **County** _____

Address: _____

_____ ☐

Acres

Parcel No. _____ Size: _____ ☐ Sq. ft.

T ____ ___ R ____ ___ Section _____, ____¼ ____¼ ____¼

Latitude: _____°_____' _____" N

Longitude: _____°_____' _____" W

For Agency Use Only

Reference Numbers:	**Permits & Alt. Design Requests:**	**Licensing Time Frames**:
File No. _____	☐ GP 4.02 Other GPs:	
Site Code _____	☐ Shallow trench ☐ GP _____	Log-in Date _____
LTF No. _____	☐ Deep trench ☐ GP _____	Fee Paid $_____
	☐ Bed ☐ GP _____	ACR_____ business days
	☐ Chambers No. of alt. design	SR (Pre-const.) _____ business days
	☐ Seepage pit requests: _____	SR (Post-const.) _____ business days

6. **Available General Permits for On-site Wastewater Treatment Facilities and Information Submission Requirements:** Please indicate which general permits are being applied for and check appropriate boxes to indicate that the required information has been submitted with this NOI.

A. **Information submission requirements with all NOI's:**

☐ Site Investigation Report [AAC R18-9-A309(B)(1)]

☐ Site Plan [AAC R18-9-A309(B)(2)]
☐ Gila County Planning & Zoning Septic System Compliance Report
☐ Gila County Planning & Zoning Floodplain Request and Status Report

B. **Additional information submission requirements with NOI's for General Permits 4.03 through 4.23**

☐ Construction quality drawings [AAC R18-9-A309(B)(4)] - 4 sets
☐ List of materials, components, and equipment for constructing the on-site wastewater treatment facility [AAC R18-9-A309(B)(5)]
☐ Operation and maintenance plan [AAC R18-9-A309(B)(6)]

C. **Specific general permits, corresponding additional information submission requirements, and Gila Division of Health and Community Services fees:**

☐ **4.02** Septic Tank With Disposal by Trench, Bed, Chamber Technology or Seepage Pit, Less than 3,000 Gallons Per Day Daily Flow [AAC R18-9-E302]

☐ **4.03** Composting Toilet, Less than 3,000 GPD Daily Flow [AAC R18-9-E303]

☐ Name and address of manufacturer
☐ Product model number
☐ Rate of composting and capacity calculations
☐ Documentation of listing by a national listing organization indicating that the composting toilet meets the stated manufacturer's specifications for loading, treatment performance, and operation
☐ The method of vector control
☐ The calculation of waste volume and planned method for disposing of the composted human excrement residue

☐ **4.04** Pressure Distribution System, Less than 3,000 GPD Daily Flow [AAC R18-9-E304]

☐ A copy of operation, maintenance, and warranty materials for the principal components
☐ A copy of dosing specifications, including pump curves, dispersing component curves, and float switch settings

☐ **4.05** Gravelless Trench, Less than 3,000 GPD Daily Flow [AAC R18-9-E305]

☐ The soil absorption area that is required if a conventional disposal field trench filled with aggregate is used
☐ The configuration and size of the proposed gravelless disposal field
☐ The manufacturer's installation instructions and warranty of performance for absorbing wastewater into the native soil

☐ **4.06** Natural Seal Evapotranspiration Bed, Less than 3,000 GPD Daily Flow [AAC R18-9-E306]

☐ **4.07** Lined Evapotranspiration Bed, Less than 3,000 GPD Daily Flow [AAC R18-9-E307]

☐ Capillary rise potential test results for the media used to fill the evapotranspiration bed, unless sand meeting a D_{50} of 0.1 millimeter
(50% by weight of grains equal to or smaller than 0.1 millimeter in size) is used
☐ Water mass balance calculations used to size the evapotranspiration bed

☐ **4.08** Wisconsin Mound, Less than 3,000 GPD Daily Flow [AAC R18-9-E308]

☐ Specifications for the internal wastewater distribution system media proposed for use in the mound
☐ Two scaled or dimensioned cross sections of the mound (1 of the shortest basal area footprint dimension and one of the lengthwise
dimension)
☐ Design calculations following the "Wisconsin Mound Soil Absorption System: Siting, Design, and Construction Manual," published by
the University of Wisconsin - Madison, January 1990 Edition

☐ **4.09** Engineered Pad, Less than 3,000 GPD Daily Flow [AAC R18-9-E309]

- ☐ Design materials and construction specifications for the engineered pad system

☐ **4.10** Intermittent Sand Filter, Less than 3,000 GPD Daily Flow [AAC R18-9-E310]

- ☐ Specifications for the media proposed for use as the sand filter

☐ **4.11** Peat Filter, Less than 3,000 GPD Daily Flow [AAC R18-9-E311]

- ☐ Specifications for the peat media proposed for use in the filter or provided in the peat module, including the porosity, surface area, and moisture content
- ☐ A statement of whether the peat is air dried, and whether the peat is from sphagnum moss or bog cotton
- ☐ A description of the degree of decomposition
- ☐ Specifications for installing the peat media
- ☐ If a peat module is used, the name and address of the manufacturer, the model number, and a copy of the manufacturer's warranty

☐ **4.12** Textile Filter, Less than 3,000 GPD Daily Flow [AAC R18-9-E312]

- ☐ The name and address of the filter manufacturer
- ☐ The filter model number
- ☐ A copy of the manufacturer's filter warranty
- ☐ If the system is for nitrogen reduction to 15 milligrams per liter, five-month arithmetic mean, specifications on the nitrogen reduction performance of the filter system, and corroborating third-party test data
- ☐ The manufacturer's operation and maintenance recommendations to achieve a 20-year life
- ☐ If a pump or aerator is required for proper operation, the pump or aerator model number and a copy of the manufacturer's warranty

☐ **4.13** Ruck® System, Less than 3,000 GPD Daily Flow [AAC R18-9-E313]

☐ **4.14** Sewage Vault, Less than 3,000 GPD Daily Flow [AAC R18-9-E314]

☐ **4.15** Aerobic System with Subsurface Disposal, Less than 3,000 GPD Daily Flow [AAC R18-9-E315]

- ☐ Evidence of performance specified in AAC R18-9-E315(B)
- ☐ The name and address of the treatment unit manufacturer
- ☐ The model number
- ☐ A copy of the manufacturer's warrantee and operation and maintenance recommendations to achieve performance for a 20-year life
- ☐ If nitrogen reduction to a level from 15 to less than 53 milligrams per liter is proposed, specifications on system nitrogen reduction performance and corroborating third party test data

☐ **4.16** Aerobic System with Surface Disposal, Less than 3,000 GPD Daily Flow [AAC R18-9-E316]

☐ **4.17** Cap System, Less than 3,000 GPD Daily Flow [AAC R18-9-E317]

- ☐ Specifications for the proposed cap fill material

☐ **4.18** Constructed Wetlands, Less than 3,000 GPD Design Flow [AAC R18-9-E318]

☐ **4.19** Sand Lined Trench, Less than 3,000 GPD Design Flow [AAC R18-9-E319]

- ☐ Specifications for the proposed media in the trench

☐ **4.20** Disinfection Devices, Less than 3,000 GPD Design Flow [AAC R18-9-E320]

☐ **4.21** Sequencing Batch Reactor, Less than 3,000 GPD Design Flow [AAC R18-9-E321]

☐ **4.22** Subsurface Drip Irrigation, Less than 3,000 GPD Design Flow [AAC R18-9-E322]

- ☐ Documentation of the pretreatment method proposed to achieve the wastewater criteria specified in AAC R18-9-A322(B)(1), such as the type of pretreatment system and the manufacturer's warranty
- ☐ Initial filter and drip irrigation flushing settings
- ☐ Calculations of the site evaporation rate
- ☐ Design calculations, showing the number of perennial plants needed to achieve the required evapotranspiration rate
- ☐ If supplemental irrigation water is introduced to the drip system, the volume and volume percent of the supplemental water

☐ **4.23** On-site Wastewater Treatment Facility, 3,000 to 24,000 GPD Design Flow [AAC R18-9-E323]

- ☐ A performance assurance plan consisting of tasks, schedules, and estimated annual costs for operating, maintaining, and
- ☐ monitoring performance over a 20-year useful service life
- ☐ Design documents and the performance assurance plan sealed by an Arizona-registered professional engineer
- ☐ Any documentation submitted under the alternative design procedure in R18-9-A312(G) that pertains to achievement of better performance levels than those specified in the general permit for the corresponding facility with a design flow of less than 3000 gallons per day, or for any other alternative design, construction, or operational change proposed by the applicant.

7. Narrative Description of Project:

☐ **Conventional Septic Tank System (General Permit 4.02) Serving a Single-Family Residence.** This on-site wastewater treatment facility consists solely of a conventional septic tank system and disposal field sized for a design flow of _____ gallons per day. The septic tank conveys wastewater to a disposal field consisting of (*check one*): ☐ Shallow trench; ☐ Deep trench; ☐ Bed; ☐ Chamber technology; ☐ Seepage pit. The expected date of first operation of this system is _____. The sewage to the septic tank has the characteristics of: ☐ Typical household sewage; or ☐ Typical household sewage and (*list other sources and characteristics of the wastewater*)
_____
_____.

☐ **Conventional Septic Tank System (General Permit 4.02) Serving Other Than a Single-Family Residence.** This on-site wastewater treatment facility consists solely of a conventional septic tank system and disposal field sized for a design flow of _____ gallons per day. The septic tank conveys wastewater to a disposal field consisting of (*check one*): ☐ Shallow trench; ☐ Deep trench; ☐ Bed; ☐ Chamber technology; ☐ Seepage pit. The expected date of first operation of this system is _____. The source(s) of flow to the system are (*describe*):
_____
_____.The sewage to the septic tank has the characteristics of: ☐ Typical household sewage, or ☐ Other (*describe*) _____
_____
_____.

☐ **Any Other On-site Wastewater Treatment Facility (*describe proposed treatment and disposal train and indicate all applicable general permit numbers; indicate design flow and expected date of operation; describe sewage sources and characteristics*):**
_____
_____
_____
_____
_____
_____
_____
_____
_____

8. Existing Environmental Permits: List any state or federal environmental permits already held by the applicant or owner at this location or that are needed:

☐ New installation of an on-site wastewater treatment facility. No other environmental permits exist or are needed.
☐ Other environmental permits exist or are needed: _____
_____
_____

9. Certification of Compliance: To be completed by applicant/permittee identified in Item "2" on the first page.

I, _____ , certify that this Notice of Intent to Discharge and all attachments were prepared under my direction or authorization and all information is, to the best of my knowledge, true, accurate and complete. I also certify that the on-site wastewater treatment facility described in this form is or will be constructed, designed, and operated in accordance with terms and conditions of the authorized general aquifer protection permit(s) and applicable requirements of Arizona Revised Statutes Title 45, Chapter 2, and Arizona Administrative Code Title 18, Chapter 9 regarding aquifer protection permits. I am aware that there are significant penalties for submitting false information including permit revocation as well as the possibility of fine and imprisonment for knowing violations.

_____ _____
Signature Date